

**DETAILED ACTION**

***Allowable Subject Matter***

1. Claim 2-46 are allowed.
2. The following is an examiner's statement of reasons for allowance: The present invention is directed to an apparatus for buffering structure for packet diversion and insertion. The prior arts in the record fail to teach or make obvious to an apparatus comprising the first/second packet insertion logic to receive the undiverted ingress/egress packet within a structure of the claim. These features are claimed in the independent claims 8, 11, 44 and render them allowable. The prior arts in the record also fail to teach or make obvious to an apparatus comprising the egress diverted packet buffer to receive the diverted egress packet directly from the first packet diversion logic within a structure of the claim. These features are claimed in the independent claims 16, 42 and 45 and render them allowable. The prior arts in the record also fail to teach or make obvious to an apparatus comprising a divert logic coupled to the two storage structures to selectively route ingress/egress packets on a selected exactly one of the two storage structures within a structure of the claim. These features are claimed in the independent claims 30, 33, 36 and 39 and render them allowable. The prior arts in the record also fail to teach or make obvious to an apparatus comprising the egress undiverted packet buffer to receive only the undiverted egress packet within a structure of the claim. These features are claimed in the independent claims 23, 43 and 46 and render them allowable.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CLEMENCE HAN whose telephone number is (571)272-3158. The examiner can normally be reached on Monday-Friday 9 - 5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Firmin Backer can be reached on (571) 272-6703. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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/C. H./  
Examiner, Art Unit 2616

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Primary Examiner, Art Unit 2616